

CLAIMS

What is claimed is:

1. A wireless headset, comprising:
 - a microphone;
 - 5 a voice tube defining a lumen therein extending between an open end of the voice tube and the microphone for acoustic transmission between the open end of the voice tube and the microphone;
 - an antenna integrated with the voice tube; and
 - 10 a transmitter in communication with the antenna for transmitting signals from the microphone via the antenna.

2. The headset of claim 1, further comprising a headset body and a headset capsule coupled to the headset body, the headset capsule including a speaker for outputting signals received via the antenna, the headset body being configured to position the speaker near a headset user's ear.

15 3. The headset of claim 2, wherein the headset body is selected from an earloop, earhook, and a headband.

4. The headset of claim 1, wherein the voice tube is one of flexible and rigid.

5.. The headset of claim 1, wherein the voice tube includes a tubular member formed of a metallic material, the antenna comprising the metallic tubular member, the 20 metallic tubular member being coupled to the transmitter.

6. The headset of claim 5, wherein the tubular member is one of a gooseneck metallic tubing, a flexible spiral wound stainless steel flexible tubing, and a flexible spiral wound tubing with copper wiring wrapped in stainless steel wire.

7. The headset of claim 5, wherein the voice tube includes a shrink tubing over
5 the metallic tubular member.

8. The headset of claim 1, wherein the voice tube includes a tubular member formed of a nonmetallic material and the antenna is a metallic material embedded within the voice tube.

9. The headset of claim 8, wherein the antenna is a metallic wire disposed in
10 the voice tube, the metallic wire being one of spiral wound and extending generally straight along at least a portion of a length of the voice tube.

10. The headset of claim 1, wherein the antenna is one of longer than, equal to, and shorter than the length of the voice tube.

11. A voice tube, comprising:

15 a tubular member having an open end and an opposing end, the opposing end being configured to be coupled to a microphone;
a lumen defined by the tubular member extending between the open end and the opposing end for acoustic transmission between the open end and the microphone; and

an antenna formed in the voice tube, the antenna being configured to be coupled to at least one of a transmitter and a receiver for wirelessly transmitting and receiving signals via the antenna, respectively.

12. The voice tube of claim 11, wherein the tubular member is one of flexible
5 and rigid.

13. The voice tube of claim 11, wherein the tubular member is formed of a metallic material, the antenna comprising the metallic tubular member.

14. The voice tube of claim 13, wherein the tubular member is one of a gooseneck metallic tubing, a flexible spiral wound stainless steel flexible tubing, a
10 flexible spiral wound tubing with copper wiring wrapped in stainless steel wire, and .

15. The voice tube of claim 11, further comprising a shrink tubing over the tubular member.

16. The voice tube of claim 11, wherein the tubular member is formed of a nonmetallic member and the antenna is a metallic material embedded within the tubular
15 member.

17. The voice tube of claim 16, wherein the antenna is a metallic wire disposed in the tubular member, the metallic wire being one of spiral wound and extending generally straight along at least a portion of a length of the tubular member.

18. The voice tube of claim 11, wherein the antenna is one of longer than, equal to, and shorter than the length of the tubular member.